

November 25, 2003
Case No. PHB 34,367 (7790/175)
Serial No.: 09/616,635
Filed: July 26, 2000
Page 2 of 9

CLAIM LISTING

A listing of the entire set of pending claims 1-18 is submitted herewith per 37 CFR 1.121. This listing of claims 1-18 will replace all prior versions, and listings, of claims in the application.

1. (Previously Presented) A body-worn personal communications apparatus, comprising:
 - a physically-shortened electric antenna;
 - a transceiver connected to said physically-shortened electric antenna;
 - a microphone connected to said transceiver; and
 - a casing,
 - wherein said transceiver is disposed within said casing,
 - wherein said physically-shortened electric antenna is mounted on said casing, and
 - wherein said microphone is mounted on said physically-shortened antenna.
2. (Previously Presented) The apparatus of claim 1, wherein said physically-shortened electric antenna is a helical antenna.
3. (Previously Presented) The apparatus of claim 1, wherein said physically-shortened electric antenna is a meander-line antenna.
4. (Previously Presented) The apparatus of claim 1, wherein said physically-shortened electric antenna is mounted transversely to a plane through said casing.
5. (Previously Presented) The apparatus of claim 1, wherein said microphone is located at an end of said physically-shortened electric antenna furthest from said casing.

November 25, 2003
Case No. PHB 34,367 (7790/175)
Serial No.: 09/616,635
Filed: July 26, 2000
Page 3 of 9

6. (Previously Presented) The apparatus of claim 5, wherein said physically-shortened electric antenna is formed from a coaxial cable that provides electrical connections between said microphone and said transceiver.
7. (Previously Presented) The apparatus of claim 5,
wherein said physically-shortened electric antenna is formed from a hollow wire,
wherein a first electrical connection between said microphone and said transceiver is provided by said hollow wire, and
wherein a second electrical connection between said microphone and said transceiver is provided by a conductor enclosed by said hollow wire.
8. (Previously Presented) The apparatus of claim 6, wherein said microphone provides a low impedance at radio frequencies to thereby enable said coaxial cable forming said physically-shortened electric antenna to act as an inductive stub.
9. (Previously Presented) The apparatus of claim 5, wherein said microphone provides a top loading to said physically-shortened electric antenna.
10. (Previously Presented) A body-worn personal communications apparatus, comprising:
a casing;
a physically-shortened electric antenna mounted on said casing; and
a microphone mounted on said physically-shortened electric antenna.
11. (Previously Presented) The apparatus of claim 10, wherein said physically-shortened electric antenna is a helical antenna.
12. (Previously Presented) The apparatus of claim 10, wherein said physically-shortened electric antenna is a meander-line antenna.

November 25, 2003
Case No. PHB 34,367 (7790/175)
Serial No.: 09/616,635
Filed: July 26, 2000
Page 4 of 9

13. (Previously Presented) The apparatus of claim 10, wherein said physically-shortened electric antenna is mounted transversely to a plane through said casing.
14. (Previously Presented) The apparatus of claim 10, wherein said microphone is located at an end of said physically-shortened electric antenna furthest from said casing.
15. (Previously Presented) The apparatus of claim 10, further comprising:
a transceiver,
wherein said physically-shortened electric antenna is formed from a coaxial cable that provides electrical connections between said microphone and said transceiver.
16. (Previously Presented) The apparatus of claim 15, wherein said microphone provides a low impedance at radio frequencies to thereby enable said coaxial cable forming said physically-shortened electric antenna to act as an inductive stub.
17. (Previously Presented) The apparatus of claim 10, further comprising:
a transceiver,
wherein said physically-shortened electric antenna is formed from a hollow wire,
wherein a first electrical connection between said microphone and said transceiver is provided by said hollow wire, and
wherein a second electrical connection between said microphone and said transceiver is provided by a conductor enclosed by said hollow wire.
- 18 (Previously Presented) The apparatus of claim 10, wherein said microphone provides a top loading to said physically-shortened electric antenna.